

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/07185

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01M17/02 B60C23/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01M B60C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/058118 A1 (WILSON KITCHENER C) 27 March 2003 (2003-03-27) cited in the application paragraphs '0064!-'0068!,'0178!,'0179!; claims 42,57,59,60,62,94; figures 3-5 ---	1-14, 20-47
A	EP 1 293 362 A (CONTINENTAL AG) 19 March 2003 (2003-03-19) paragraphs '0015!,'0018!,'0019!; claim 1; figures ---	1-14, 20-47
A	US 5 793 285 A (WEHINGER HORST) 11 August 1998 (1998-08-11) column 4, line 19 - line 23; figures --- -/--	1-14, 20-47

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

21 January 2004

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11/02/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 03 016115 A (CONTINENTAL TEVES AG & CO OHG ;KELLER LOTHAR (DE); KOEBE ANDREAS () 27 February 2003 (2003-02-27) cited in the application claim 1; figure 1 ---	1-14, 20-47
A	DE 39 16 176 A (BAYERISCHE MOTOREN WERKE AG) 22 November 1990 (1990-11-22) column 2, line 30 - line 66 column 3, line 32 - line 52; claim 1; figure ---	1-14, 20-47
A	US 6 538 566 B1 (SIRVEN JACQUES ET AL) 25 March 2003 (2003-03-25) column 4, line 15 -column 5, line 14; claims; figures 6-9 -----	1-14, 20-47

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP 03/07185

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2003058118	A1	27-03-2003	WO	02092364 A2	21-11-2002
EP 1293362	A	19-03-2003	DE	10146031 A1	24-04-2003
			EP	1293362 A2	19-03-2003
US 5793285	A	11-08-1998	DE	19613916 A1	09-10-1997
			FR	2747074 A1	10-10-1997
			GB	2311886 A , B	08-10-1997
			IT	RM970170 A1	28-09-1998
			JP	2917135 B2	12-07-1999
			JP	10115578 A	06-05-1998
WO 03016115	A	27-02-2003	WO	03016115 A1	27-02-2003
DE 3916176	A	22-11-1990	DE	3916176 A1	22-11-1990
US 6538566	B1	25-03-2003	FR	2764241 A1	11-12-1998
			AU	7775298 A	30-12-1998
			DE	69804098 D1	11-04-2002
			DE	69804098 T2	31-10-2002
			EP	0988160 A1	29-03-2000
			WO	9856606 A1	17-12-1998
			JP	2002511812 T	16-04-2002
			US	2003062994 A1	03-04-2003